

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 2004 P08304WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/053021	International filing date (day/month/year) 19/11/2004	(Earliest) Priority Date (day/month/year) 01/12/2003
Applicant SIEMENS AKTIENGESELLSCHAFT		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

PASSIVE OPTICAL NETWORK UNIT MANAGEMENT AND CONTROL INTERFACE SUPPORT FOR
A DIGITAL SUBSCRIBER LINE NETWORK

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☐ as suggested by the applicant.

☒ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/053021

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04M11/06 H04Q11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04M H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	ITU: "B-PON ONT Management and control interface (OMCI) support for Digital Subscriber Line interfaces" ITU-T RECOMMENDATION G.983.10, June 2004 (2004-06), XP002322077 page 6, paragraph 6.2 page 7, paragraph 7 - page 63, paragraph 9	1-65
X	US 2003/037095 A1 (SHARMA VISWA) 20 February 2003 (2003-02-20) page 1, paragraphs 4,5,10-12,17 page 2, paragraphs 18,19,22,24 page 3, paragraph 49-52 page 4, paragraph 55-60 ----- -/--	1-65

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family.

Date of the actual completion of the international search

23 March 2005

Date of mailing of the international search report

08/04/2005

Name and mailing address of the ISA

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Agante da Silva, P

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/053021

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/16587 A (MARCONI COMMUNICATIONS, INC) 23 March 2000 (2000-03-23) page 3, lines 5-17 page 4, line 13 - page 5, line 4 page 11, line 4 - page 13, line 15 page 21, line 21 - page 23, line 15 -----	1-65
A	ITU: "ONT management and control interface specification for B-PON" ITU-T RECOMMENDATION G.983.2, June 2002 (2002-06), XP002322078 cited in the application page 1, paragraph 1 page 4, paragraph 4 - page 12, paragraph 6.2 page 20, paragraph 7 - page 49 page 113, line 1 - page 133, line 1 page 151, line 1 - page 178, line 24 -----	1-65
A	ITU: "B-PON OMCI support for IP, ISDN, video, VLAN tagging, VC cross-connections and other select functions" ITU-T RECOMMENDATION G.983.8, March 2003 (2003-03), XP002322079 page 1, paragraph 1 page 2, paragraph 5 - page 9, paragraph 7.1.4 page 40, paragraph 7.8 - page 48, paragraph 7.10 -----	1-65

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/053021

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003037095	A1	20-02-2003	NONE
WO 0016587	A	23-03-2000	US 6781981 B1 24-08-2004
		AU 6140099 A	03-04-2000
		CA 2343241 A1	23-03-2000
		WO 0016587 A1	23-03-2000